J. Michael Pitale
24 Shannon Court
Medford, NJ 08055
February 22, 2000

Assistant Commissioner
For Patents
Washington, DC 20231

Dear Examiner,

The following is a listing of the enclosed documents pertaining to the computer procedure/program entitled ATM/ALERT:

A - Title, description and background	- Cover Page plus 3 pages
B - Schematic diagram/flowchart	- One page
C - Paper copy of program in Assembler language	- 3 pages
D - Paper copy of program in COBOL language	- 3 pages
E - Actual computer listing Assembler language	- 6 pages
F - Actual computer listing COBOL language	- 10 pages
G - Microfiche listing of 'E' above	- One sheet
H - Microfiche listing of 'F' above	- One sheet

I hope this information will help in the review process.

Also I am a senior citizen on disability who has to minimize costs, so I am filing this without an attorney. If there are any omissions or corrections, please advise and I will immediately respond.

Sincerely,

J. Michael Pitale

Phone - (609) 654-4583
Fax - (609) 714-0868

ATM/ALERT™

(A)

Computer Security Protection

For Responsive Action To

ATM Transactions And

Other Security Accesses

Made Under Duress

JMP Associates 24 Shannon Court Medford, NJ, 08055

ATM/ALERT

INTRODUCTION

ATM/ALERT procedure was first developed for the security access of ATM transactions which only used PIN numbers as the form of identification. Subsequent enhancements to ATM/ALERT have made it effective for many different types of identification now in operation other than just PIN numbers. Iris Scans, Thumb Prints, Facial Scans and other methods of identification are now available along with PIN numbers.

FUNCTIONS

ATM/ALERT has two functions which are as follows:

- To recognize a valid identification which will then allow the requested action of an ATM transaction, access to a secured area, etc.

and/or

- To recognize an 'alert' signal issued by the user who is under duress which will then activate security measures such as a silent alarm or whatever is deemed appropriate action. In some circumstances, the requested function could still be allowed to prevent a warning that the alarm has been activated.

METHODOLOGY

The methodology requires two types of ID's with one a valid identification and the other for alert indication. These two ID's may be any two methods not necessarily the same. For example, a valid ID might be an IRIS Scan that could be combined with the alert signal generated by the entering of an alert PIN and so forth.

Depending on the method of providing identification, the first encounter with the identification might be sufficient to provide a valid status....or an alert condition. For example, if two PIN numbers are used, one for valid status and the other for alert status, the first-time entry of a PIN number would be sufficient to determine if this is a valid entry or the alert entry and the second entry would not be needed..

However, perhaps the first-time entry of another method of identification, such as an Iris scan, might not by itself have enough ability to signal a valid/alert condition. A subsequent entry of another identification such as a PIN number might also be required to signal the status. A valid Iris scan combined with a valid PIN number would grant the requested action, while a valid Iris scan combined with an alert PIN number would signal the alert status. Therefore, in certain combinations of providing identification, an 'second ID required' indication would be part of the ATM/ALERT procedure.

SOFTWARE CODING

ATM/ALERT has been coded in two main-frame languages, COBOL and Assembler. However, it is easily translated into any other media including coding for the P/C environment.

The methodology of ATM/ALERT is to perform 'traffic control' for most of the already in-place computer activity. It goes back and forth with functions such acquiring the identification and checking for valid/alert status by the established software Then the valid/alert status indication is passed from the established software back to ATM/ALERT which will make the determination of returning control to the established function to allow the requested action or notifying the established software to activate the appropriate alert action. ATM/ALERT 'traffic control' functions could also be incorporated directly into the already established software coding with little effort.

Selection of type of identification, appropriate actions and so forth are the choice of the user company/network and may even vary from user to user.

EXAMPLES

#1 - A PIN number is used for the first-time identification. It would be checked against two PIN numbers, one valid and the other an alert signal to determine status. If a valid number, the requested action is performed. If it is the alert number, perform the alert action. In this situation, only the first-time entry of identification would be needed..

#2 - An Iris Scan is used as the first ID. If there is the possibility of being able to use both the left and the right eye for different Iris scans, then the right eye could be used for first-time proper validation or the left eye used for the alert signal or vice versa. In this case, both the valid and the alert signals could be identified by the same method of the Iris Scan. In this situation, similar to example #1, only the first-time entry of identification would be needed..

#3 - If an Iris Scan is used for first-time identification (either eye) as validation and there is not the possibility of using both eyes as in the example #2 above, then the second-time entering of another type for valid/alert such as a PIN number which would be additional validation...OR would be the alert signal. This example shows the use of two different methods, an Iris Scan and a PIN number, for the valid/alert signal combination. In this situation, an indicator would be in the user profile to signal that a second-time entry is also required.

#4 - Indication of a requirement for the need for a second ID might also be appropriate when a facial scan is used for first-time identification. In this situation, a second-time identification entry would be required. The second could be entering of a valid/alert PIN number or thumb print (right for valid, left for alert, or vice versa).

RECAP

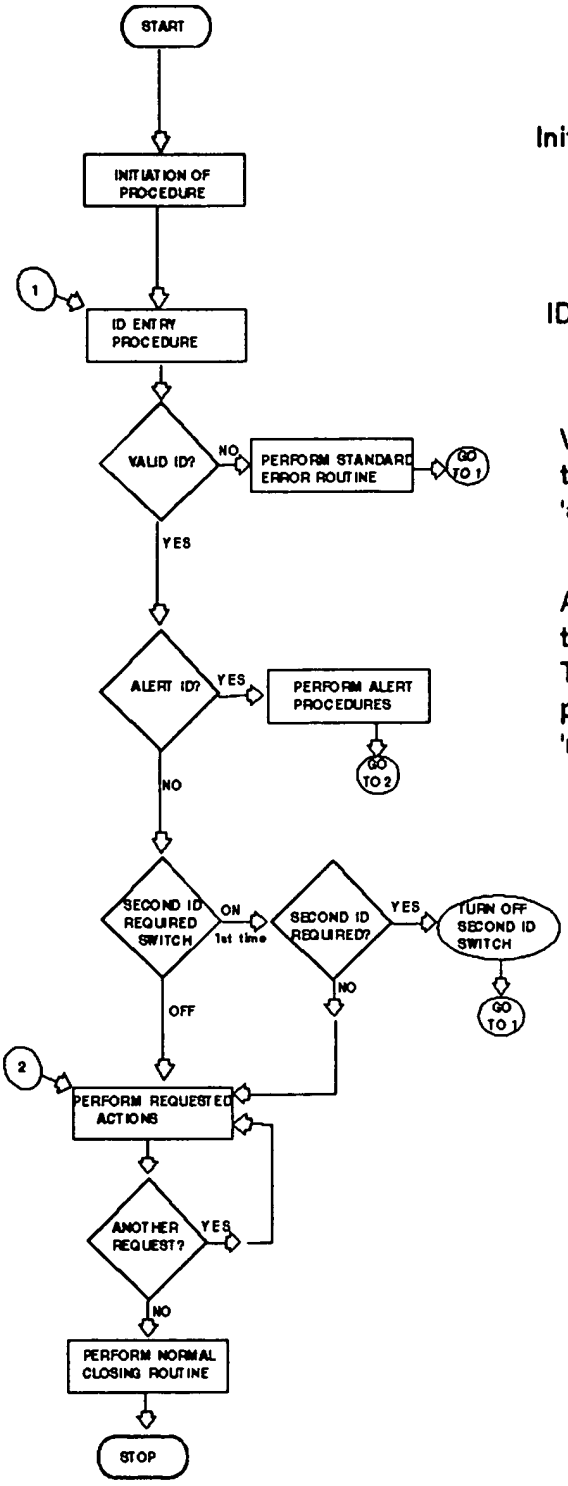
The above examples show just some of how the same and/or different methods would be used for each validation. The various combinations for control of the access would be the choice of the particular installation, network or company and would be stored with the user's profile. And there could be different combinations for the various users within the same installation, network, etc..

This methodology is applicable for ATM transactions, controlled access to secured areas, validation of computer logons, and all other activities that require a security access with the option of signalling an alert.

B

ATM/ALERT™

SCHEMATIC



Initiated by : Insertion of ATM card
Pressing a 'start' button/key
Approach an 'entry' zone....etc.

ID entered by 'PIN' number, IRIS scan, thumb print...etc

Valid ID? Recognizable as belonging to an individual? Both 'good' ID or 'alert' must pass this test..or re-enter ID

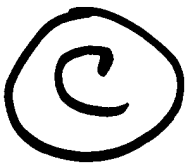
ALERT ID signals the performance of the alarm procedures..probable silent. Then the normal procedures must be performed to give appearance of 'normal' conditions.

Second ID check switch is 'ON' at first and second ID switch requied is indicated in user profile. If needed, switch is turned 'off' to allow for further check and additional ID entry is requested.

Perform requested action..ATM transaction, Security door entry, etc.

In some types of requested actions, a second request is valid...Such as another ATM transaction, etc.

Perform associated closing actions such as an audit log recording, security log entry, etc.



```
*
*       COPYRIGHT 1998 ALL RIGHTS RESERVED. JMP ASSOCIATES
*
*       ATM/ALERT IS A PROCEDURE THAT HAS TWO FUNCTIONS:
*        1 - TO RECOGNIZE A VALID IDENTIFICATION WHICH WILL
*          ALLOW THE REQUESTED ACTION SUCH AS AN ATM
*          TRANSACTION OR ACCESS TO A SECURITY AREA
*                AND/OR
*
*        2 - TO RECOGNIZE AN 'ALERT' SIGNAL ISSUSED BY THE USER
*          WHO IS UNDER DURESS. THIS WILL THEN ACTIVATE
*          SECURITY MEASURES SUCH AS A SILENT ALARM OR OTHER
*          APPROPRIATE MEASURES. THE REQUESTED ACTION COULD
*          ALSO BE ALLOWED TO PREVENT A WARNING THAT THE
*          ALARM HAS BEEN ACTIVATED.
*
*    * NOTE - THE ROUTINE 'READ-CUSTOMER-CARD' IS EXECUTED
*           IN THE STANDARD ATM PROGRAM AND THEN CONTROL
*           IS PASSED TO THIS MODULE.
*
RETURNR  EQU   9
         SAVE (14,12)
         BALR 12,0
         USING *,12
*
BACKCHN  LA   5,SAVREG
         ST   13,4(5)
         ST   5,8(13)
         LR   13,5
*
*         NOTE - THIS CHECKIN PROCEDURE IS EXECUTED IN THE STANDARD
*             PROCESSING PROGRAM ALREADY IN USE.
*             THE ONLY CHANGES ARE TO PLACE A STATUS INDICATION
*             IN THE HOLD FIELD(PINID) AND AN INDICATIOR TO
*            INDICATE IF A SECOND ID IS REQUIRED.
*
         LA   1,PINID
         LA   15,PINRTN      EXTERNAL REFERENCE
         BALR 14,15
*
         CLC  PINID,=C'AOKAY'
         BE   DOREQST
*
         CLC  PINID,=C'ERROR'
```

```
      BE   ERRORTN
*
      CLC  PINID,=C'ALERT'
      BE   ALERTN
*
CKSECID  CLC  SECID,=C' '
      BE   DOREQST
*
*        STANDARD ERROR ROUTINE
*
ERRORTN  LA    15,STDERR    EXTERNAL REFERENCE
      BALR 14,15
*
*         DO THE STANDARD REQUEST
*
DOREQST  MVC  REQIND,=C' '
      LA    1,REQIND
      LA    15,DOREQ      EXTERNAL REFERENCE
      BALR  14,15
*
      CLC   REQIND,=C'MORE'
      BE    DOREQST
*
*****     LM    13,4(13),12  RETRUN DOES THIS  <<<<<<<<<
FINAL    RETURN  (14,12),RC=0
*
*
*             ATM ALERT ROUTINES
*
ALERTN    LA    15,PICRTN ..... PICTURE RTN - EXTERNAL REFERENCE
       BALR  14,15
*
       LA    15,ALARMRTN  ...ALARM RTN-EXTERNAL REFERENCE
       BALR 14,15
*
       B     DOREQST
*
*  CONSTANTS AND SAVE AREAS
*
SAVREG  DS    18F
*
REQIND  DC    CL5' '
*
PINID   DS    CL5' '
SECID   DS    CL1'X'
```

```
*
PINRTN   DC     V(PINRTNX)
PICRTN   DC     V(PICRTNX)
STDERR   DC     V(STDERRX)
DOREQ    DC     V(DOREQX)
ALARMRTN DC     V(ALARMX)
         END
```

D

```
ID DIVISION.
PROGRAM-ID. ATMALERT.
*  REMARKS.
*  COPYRIGHT 1998 ALL RIGHT RESERVED. JMP ASSOCIATES .
*
*  ATM/ALERT IS A PROCEDURE THAT HAS TWO FUNCTIONS:
*  1 - TO RECOGNIZE A VALID IDENTIFICATION WHICH WILL
*     ALLOW THE REQUESTED ACTION SUCH AS AN ATM
*     TRANSACTION OR ACCESS TO A SECURITY AREA
*           AND/OR
*  2 - TO RECOGNIZE AN 'ALERT' SIGNAL ISSUED BY THE USER
*     WHO IS UNDER DURESS.  THIS WILL THEN ACTIVATE
*     SECURITY MEASURES SUCH AS A SILENT ALARM OR OTHER
*     APPROPRIATE ACTION.  THE REQUESTED ACTION COULD
*     ALSO BE ALLOWED TO PREVENT A WARNING THAT THE
*     ALARM HAS BEEN ACTIVATED.
*
*  NOTE - THIS IS AN EXAMPLE  OF MOST OF THE ACTIVITY BEING
*        INITIATED BY THIS ALERT PROGRAM AND BEING
*        PERFORMED IN THE STANDARD ACCESS PROCESSING
*        PROGRAM.
*
*        CONVERSELY, MOST OF THE ACTIVITY CAN BE PERFORMED IN
*        THE STANDARD PROCESSING PROGRAM AND THE ALERT
*        PROCEDURES CAN BE INCORPORTED INTO THE STANDARD
*        PROGRAM.  EITHER WAY, THERE IS VERY LITTLE
*        RE-PROGRAMING REQUIRED.
*
ENVIRONMENT DIVISION.
*
DATA DIVISION.
WORKING-STORAGE SECTION.
01    ID-CODE.
   02   ID-CODE-HOLD  PIC XXXXX VALUE SPACES.
   02   SECOND-ID-REQ-IND PIC X VALUE SPACE.
*
01    REQUEST-INDICATOR.
   02   REQUEST-INDICATOR-HOLD  PIC XXXX VALUE SPACES.
*
01    SECOND-ID-REQ-SW PIC X VALUE 'X'.
PROCEDURE DIVISION.
*
INITIATION-PROCEDURE.
*
*   NOTE  - THIS PROCEDURE  EXECUTED IN THE STANDARD
```

```
*           PROCESSING PROGRAM ALREADY IN USE.  THUS,THERE
*           IS NO MAJOR CHANGE TO THE EXISTING CODE  AT THIS
*           CONTROL, CAN BE THEN BE PASSED TO THIS MODULE
*
*           ALSO, AFTER EACH 'CALL' (PASSING CONTROL) TO THE
*           STANDARD PROGRAM FROM THIS MODULE, CONTROL IS
*           RETURNED TO THIS MODULE AFTER THE ROUTINE IS
*           COMPLETED IN THE STANDARD PROGRAM.
*
 ID-ENTRY-PROCEDURE.
     CALL 'IDVALID' USING ID-CODE-HOLD.
*
*    NOTE - THIS CHECKING PROCEDURE IS EXECUTED IN THE STANDART
*         PROCESSING PROGRAM ALREADY IN USE.
*         THE ONLY CHANGES ARE TO PLACE A STATUS INDICATION IN
*         THE HOLD FIELD(ID-CODE) AND AN INDICATOR TO INDICATE
*         IF A SECOND ID IS REQUIRED.
*
*         INDICATION   ACTION
*         AOKAY        HONOR THE CUSTOMERS REQUEST
*         ERROR        ID ERROR - ENTER ID AGAIN
*         ALERT        ACTIVATE THE ATM/ALERT ROUTINE
*          ???         NO TECOGNIZED - ENTER ID AGAIN
*
     IF ID-CODE-HOLD IS EQUAL TO 'AOKAY',
       GO TO CHECK-SECOND-ID.
*
     IF ID-CODE-HOLD IS EQUAL TO 'ERROR',
       CALL 'STANDARD-ERROR-ROUTINE'.
*
     IF ID-CODE-HOLD IS EQUAL TO 'ALERT',
       GO TO ATM-ALERT-ROUTINE. .
 CHECK-SECOND-ID.
    IF SECOND-ID-REQ-SW IS EQUAL TO SPACE
     GO TO PERFORM-REQUESTED-ACTION.
*
     MOVE SPACE TO SECOND-ID-REQ-SW.
     GO TO ID-ENTRY-PROCEDURE.

 PERFORM-REQUESTED-ACTION.
     CALL 'REQACT' USING REQUEST-INDICATOR.
*
*    NOTE - THIS CHECKING PROCEDURE IS EXECUTED IN THE STANDARD
*         PROCESSING PROGRAM ALREADY IN USE.
```

```
*       THE ONLY CHANGE IS TO PLACEA STATUS INDICATION IN
*       THE HOLD FIELD(REQUEST-INDICATOR) FOR FURTHER
*       CHECKING.
*
*      INDICATION   ACTION
*       MORE      CUSTOMER HAS ANOTHER REQUEST
*       NONE      CUSTOMER IS DONE - END PROGRAM
*
    IF REQUEST-INDICATOR-HOLD IS EQUAL TO 'MORE',
      GO TO PERFORM-REQUESTED-ACTION
         ELSE
      CALL 'NORCLS'.
*
    STOP RUN.
*
*    NOTE - THE ALERT ROUTINE PERFORMS SECURITY REOCEDURES
*       AND THEN CONTINUES ON WITH NORMAL PROCESSING SO AS
*       NOT TO WARN OF THE ALERT PROCEDURES.
*
 ATM-ALERT-ROUTINE.
    CALL 'TAKEPIC'.
*
*      NOTE - THIS IS OPTIONAL AND CAN BE REMOVED. MANY
*          PROCEDURES ALREADY HAVE THE PICTURE TAKING
*          PROCESS IN PLACE. NO ADDITIONAL CODING REQUIRED
*
    CALL 'SECALRM'.
*
*      NOTE - THE SECURITY ALERT IS MOSTLY A PHYSICAL
*          TELEPHONE LINE TYPE CONNECTION.
*
    GO TO PERFORM-REQUESTED-ACTION.
*
*      NOTE - BACK TO NORMAL TYPE PROCESSING SO AS NOT
*          TO ENDANGER THE CUSTOMER.
```

E

ASM H V 02 09.43 01/06/00

SYMBOL	TYPE	ID	ADDR	LENGTH	LD ID	FLAGS
ATMALERT	SD	0001	000000	000104		00
PINRTNX	ER	0002				
PICRTNX	ER	0003				
STDERRX	ER	0004				
DOREQX	ER	0005				
ALARMX	ER	0006				

```
 LOC  OBJECT CODE    ADDR1 ADDR2  STMT   SOURCE STATEMENT                                ASM H V 02 09.43 01/06/00
000000                              1 ATMALERT  CSECT
                                    2 *
                                    3 *            COPYRIGHT 1998 ALL RIGHTS RESERVED.  JMP ASSOCIATES
                                    4 *
                                    5 *          ATM/ALERT IS A PROCEDURE THAT HAS TWO FUNCTIONS:
                                    6 *            1 - TO RECOGNIZE A VALID IDENTIFICATION WHICH WILL
                                    7 *                ALLOW THE REQUESTED ACTION SUCH AS AN ATM
                                    8 *                TRANSACTION OR ACCESS TO A SECURITY AREA
                                    9 *                        AND/OR
                                   10 *
                                   11 *            2 - TO RECOGNIZE AN 'ALERT' SIGNAL ISSUSED BY THE USER
                                   12 *                WHO IS UNDER DURESS.  THIS WILL THEN ACTIVATE
                                   13 *                SECURITY MEASURES SUCH AS A SILENT ALARM OR OTHER
                                   14 *                APPROPRIATE MEASURES.  THE REQUESTED ACTION COULD
                                   15 *                ALSO BE ALLOWED TO PREVENT A WARNING THAT THE
                                   16 *                ALARM HAS BEEN ACTIVATED.
                                   17 *
                                   18 *       *   NOTE - THE ROUTINE 'READ-CUSTOMER-CARD'  IS EXECUTED
                                   19 *                  IN THE STANDARD ATM PROGRAM AND THEN CONTROL
                                   20 *                  IS PASSED TO THIS MODULE.
                                   21 *
                        00009      22 RETURNR    EQU    9
                                   23            SAVE  (14,12)
000000                             24+          DS    0H                                                    01-SAVE
000000 90EC D00C            0000C  25+          STM   14,12,12(13)                  SAVE REGISTERS          01-SAVE
000004 05C0                        26            BALR  12,0
                            00006  27            USING *,12
                                   28 *
000006 4150 C07A            00080  29 BACKCHN    LA    5,SAVREG
00000A 50D5 0004            00004  30            ST    13,4(5)
00000E 505D 0008            00008  31            ST    5,8(13)
000012 18D5                        32            LR    13,5
                                   33 *
                                   34 *              NOTE - THIS CHECKIN PROCEDURE IS EXECUTED IN THE STANDARD
                                   35 *                     PROCESSING PROGRAM ALREADY IN USE.
                                   36 *                     THE ONLY CHANGES ARE TO PLACE A STATUS INDICATION
                                   37 *                      IN THE HOLD FIELD(PINID) AND AN INDICATIOR TO
                                   38 *                     INDICATE IF A SECOND ID IS REQUIRED.
                                   39 *
000014 4110 C0C7            000CD  40            LA    1,PINID
000018 41F0 C0CE            000D4  41            LA    15,PINRTN       EXTERNAL  REFERENCE
00001C 05EF                        42            BALR  14,15
                                   43 *
00001E D504 C0C7 C0EA 000CD 000F0  44            CLC   PINID,=C'AOKAY'
000024 4780 C046            0004C  45            BE    DOREQST
                                   46 *
000028 D504 C0C7 C0EF 000CD 000F5  47            CLC   PINID,=C'ERROR'
00002E 4780 C040            00046  48            BE    ERRORTN
                                   49 *
000032 D504 C0C7 C0F4 000CD 000FA  50            CLC   PINID,=C'ALERT'
000038 4780 C06A            00070  51            BE    ALERTN
                                   52 *
00003C D500 C0CC C0F9 000D2 000FF  53 CKSECID    CLC   SECID,=C'    '
000042 4780 C046            0004C  54            BE    DOREQST
                                   55 *
```

```
  LOC  OBJECT CODE    ADDR1 ADDR2  STMT   SOURCE STATEMENT                                    ASM H V 02 09.43 01/06/00
                                     56 *                STANDARD ERROR ROUTINE
                                     57 *
000046 41F0 C0D6              000DC  58 ERRORTN     LA      15,STDERR     EXTERNAL REFERENCE
00004A 05EF                          59            BALR 14,15
                                     60 *
                                     61 *                  DO THE STANDARD REQUEST
                                     62 *
00004C D204 C0C2 C0E2 000C8 000E8    63 DOREQST     MVC   REQIND,=C'     '
000052 4110 C0C2              000C8  64            LA     1,REQIND
000056 41F0 C0DA              000E0  65            LA     15,DOREQ        EXTERNAL REFERENCE
00005A 05EF                          66            BALR   14,15
                                     67 *
00005C D504 C0C2 C0E6 000C8 000EC    68            CLC    REQIND,=C'MORE'
000062 4780 C046              0004C  69            BE       DOREQST
                                     70 *
                                     71 *****        LM     13,4(13),12   RETRUN DOES THIS   <<<<<<<<<
                                     72 FINAL      RETURN   (14,12),RC=0
000066                               73+FINAL    DS    0H                                                    01-RETUR
000066 98EC D00C              0000C  74+          LM    14,12,12(13)          RESTORE THE REGISTERS       01-RETUR
00006A 41F0 0000              00000  75+          LA    15,0(0,0)             LOAD RETURN CODE            01-RETUR
00006E 07FE                          76+          BR    14                    RETURN                      01-RETUR
                                     77 *
                                     78 *
                                     79 *                        ATM ALERT ROUTINES
                                     80 *
000070 41F0 C0D2              000D8  81 ALERTN        LA      15,PICRTN  ..... PICTURE RTN - EXTERNAL REFERENCE
000074 05EF                          82              BALR  14,15
                                     83 *
000076 41F0 CODE              000E4  84               LA     15,ALARMRTN   ...ALARM RTN-EXTERNAL REFERENCE
00007A 05EF                          85              BALR 14,15
                                     86 *
00007C 47F0 C046              0004C  87               B       DOREQST
                                     88 *
                                     89 *    CONSTANTS AND SAVE AREAS
                                     90 *
000080                               91 SAVREG   DS     18F
                                     92 *
0000C8 4040404040                    93 REQIND   DC      CL5' '
                                     94 *
0000CD                               95 PINID    DS      CL5' '
0000D2                               96 SECID    DS      CL1'X'
                                     97 *
0000D3 00
0000D4 00000000                      98 PINRTN   DC      V(PINRTNX)
0000D8 00000000                      99 PICRTN   DC      V(PICRTNX)
0000DC 00000000                     100 STDERR   DC      V(STDERRX)
0000E0 00000000                     101 DOREQ    DC      V(DOREQX)
0000E4 00000000                     102 ALARMRTN DC      V(ALARMX)
                                    103          END
0000E8 4040404040                   104                =C'     '
0000EC D4D6D9C5                     105                =C'MORE'
0000F0 C1D6D2C1E8                   106                =C'AOKAY'
0000F5 C5D9D9D6D9                   107                =C'ERROR'
0000FA C1D3C5D9E3                   108                =C'ALERT'
0000FF 4040404040                   109                =C'     '
```

POS.ID	REL.ID	FLAGS	ADDRESS
0001	0002	1C	0000D4
0001	0003	1C	0000D8
0001	0004	1C	0000DC
0001	0005	1C	0000E0
0001	0006	1C	0000E4

SYMBOL	LEN	VALUE	DEFN	REFERENCES	ASM H V 02 09.43 01/06/00
ALARMRTN	00004	0000E4	0102	0084	
ALERTN	00004	000070	0081	0051	
DOREQ	00004	0000E0	0101	0065	
DOREQST	00006	00004C	0063	0045 0054 0069 0087	
ERRORTN	00004	000046	0058	0048	
PICRTN	00004	0000D8	0099	0081	
PINID	00005	0000CD	0095	0040 0044 0047 0050	
PINRTN	00004	0000D4	0098	0041	
REQIND	00005	0000C8	0093	0063 0064 0068	
SAVREG	00004	000080	0091	0029	
SECID	00001	0000D2	0096	0053	
STDERR	00004	0000DC	0100	0058	
=C' '	00005	0000FF	0109	0053	
=C' '	00004	0000E8	0104	0063	
=C'ALERT'	00005	0000FA	0108	0050	
=C'AOKAY'	00005	0000F0	0106	0044	
=C'ERROR'	00005	0000F5	0107	0047	
=C'MORE'	00004	0000EC	0105	0068	

```
  NO STATEMENTS FLAGGED IN THIS ASSEMBLY

OVERRIDING PARAMETERS-  MACREF,OBJECT,NODECK
    ERROR IN ABOVE PARAMETER LIST
OPTIONS FOR THIS ASSEMBLY
 NODECK, OBJECT, LIST, XREF(SHORT), NORENT, NOTEST, NOBATCH, ALIGN, ESD, RLD, NOTERM, NOOBCS,
 LINECOUNT(55), FLAG(0), SYSPARM()
NO OVERRIDING DD NAMES

   97 CARDS FROM SYSIN      159 CARDS FROM SYSLIB
  169 LINES OUTPUT            9 CARDS OUTPUT
```

ATM/ALERT - COB

(F)


```
00001          ID DIVISION.
00002          PROGRAM-ID.  ATMALERT.
00003        *    REMARKS.
00004        *    COPYRIGHT 1998 ALL RIGHT RESERVED.  JMP ASSOCIATES    .
00005        *
00006        *    ATM/ALERT IS A PROCEDURE THAT HAS TWO FUNCTIONS:
00007        *    1 - TO RECOGNIZE A VALID IDENTIFICATION WHICH WILL
00008        *        ALLOW THE REQUESTED ACTION SUCH AS AN ATM
00009        *        TRANSACTION OR ACCESS TO A SECURITY AREA
00010        *                  AND/OR
00011        *    2 - TO RECOGNIZE AN 'ALERT' SIGNAL ISSUED BY THE USER
00012        *        WHO IS UNDER DURESS.  THIS WILL THEN ACTIVATE
00013        *        SECURITY MEASURES SUCH AS A SILENT ALARM OR OTHER
00014        *        APPROPRIATE ACTION.  THE REQUESTED ACTION COULD
00015        *        ALSO BE ALLOWED TO PREVENT A WARNING THAT THE
00016        *        ALARM HAS BEEN ACTIVATED.
00017        *
00018        *    NOTE - THIS IS AN EXAMPLE  OF MOST OF THE ACTIVITY BEING
00019        *           INITIATED BY THIS ALERT PROGRAM AND BEING
00020        *           PERFORMED IN THE STANDARD ACCESS PROCESSING
00021        *           PROGRAM.
00022        *
00023        *           CONVERSELY, MOST OF THE ACTIVITY CAN BE PERFORMED IN
00024        *           THE STANDARD PROCESSING PROGRAM AND THE ALERT
00025        *           PROCEDURES CAN BE INCORPORTED INTO THE STANDARD
00026        *           PROGRAM.  EITHER WAY, THERE IS VERY LITTLE
00027        *           RE-PROGRAMING REQUIRED.
00028        *
00029          ENVIRONMENT DIVISION.
00030        *
00031          DATA DIVISION.
00032          WORKING-STORAGE SECTION.
00033          01      ID-CODE.
00034              02    ID-CODE-HOLD  PIC XXXXX VALUE SPACES.
00035              02    SECOND-ID-REQ-IND PIC X VALUE SPACE.
00036        *
00037          01      REQUEST-INDICATOR.
00038              02    REQUEST-INDICATOR-HOLD  PIC XXXX VALUE SPACES.
00039        *
00040          01      SECOND-ID-REQ-SW PIC X VALUE 'X'.
00041          PROCEDURE DIVISION.
00042        *
00043          INITIATION-PROCEDURE.
00044        *
00045        *     NOTE    -  THIS  PROCEDURE  EXECUTED IN THE STANDARD
00046        *                PROCESSING PROGRAM ALREADY IN USE.  THUS,THERE
00047        *                IS NO MAJOR CHANGE TO THE EXISTING CODE  AT THIS
00048        *                CONTROL, CAN BE THEN BE PASSED TO THIS MODULE
00049        *
00050        *                ALSO, AFTER EACH 'CALL' (PASSING CONTROL) TO THE
00051        *                STANDARD PROGRAM FROM THIS MODULE, CONTROL IS
00052        *                RETURNED TO THIS MODULE AFTER THE ROUTINE IS
00053        *                COMPLETED IN THE STANDARD PROGRAM.
00054        *
```

```
00055          ID-ENTRY-PROCEDURE.
00056               CALL 'IDVALID' USING ID-CODE-HOLD.
00057          *
00058          *      NOTE - THIS CHECKING PROCEDURE IS EXECUTED IN THE STANDART
00059          *             PROCESSING PROGRAM ALREADY IN USE.
00060          *             THE ONLY CHANGES ARE TO PLACE A STATUS INDICATION IN
00061          *             THE HOLD FIELD(ID-CODE) AND AN INDICATOR TO INDICATE
00062          *             IF A SECOND ID IS REQUIRED.
00063          *
00064          *             INDICATION    ACTION
00065          *             AOKAY         HONOR THE CUSTOMERS REQUEST
00066          *             ERROR         ID ERROR - ENTER ID AGAIN
00067          *             ALERT         ACTIVATE THE ATM/ALERT ROUTINE
00068          *              ???          NO TECOGNIZED - ENTER ID AGAIN
00069          *
00070               IF ID-CODE-HOLD IS EQUAL TO 'AOKAY',
00071                   GO TO CHECK-SECOND-ID.
00072          *
00073               IF ID-CODE-HOLD IS EQUAL TO 'ERROR',
00074                   CALL 'STANDARD-ERROR-ROUTINE'.
00075          *
00076               IF ID-CODE-HOLD IS EQUAL TO 'ALERT',
00077                   GO TO ATM-ALERT-ROUTINE. .
00078          CHECK-SECOND-ID.
00079              IF SECOND-ID-REQ-SW IS EQUAL TO SPACE
00080               GO TO PERFORM-REQUESTED-ACTION.
00081          *
00082               MOVE SPACE TO SECOND-ID-REQ-SW.
00083                GO TO ID-ENTRY-PROCEDURE.
00084
00085          PERFORM-REQUESTED-ACTION.
00086               CALL 'REQACT' USING REQUEST-INDICATOR.
00087          *
00088          *      NOTE - THIS CHECKING PROCEDURE IS EXECUTED IN THE STANDARD
00089          *             PROCESSING PROGRAM ALREADY IN USE.
00090          *             THE ONLY CHANDE IS TO PLACEA STATUS INDICATION IN
00091          *             THE HOLD FIELD(REQUEST-INDICATOR) FOR FURTHER
00092          *             CHECKING.
00093          *
00094          *             INDICATION   ACTION
00095          *               MORE       CUSTOMER HAS ANOTHER REQUEST
00096          *                NONE      CUSTOMER IS DONE - END PROGRAM
00097          *
00098               IF REQUEST-INDICATOR-HOLD IS EQUAL TO 'MORE',
00099                   GO TO PERFORM-REQUESTED-ACTION
00100                     ELSE
00101                   CALL 'NORCLS'.
00102          *
00103               STOP RUN.
00104          *
00105          *      NOTE - THE ALERT ROUTINE PERFORMS SECURITY REOCEDURES
00106          *             AND THEN CONTINUES ON WITH NORMAL PROCESSING SO AS
00107          *             NOT TO WARN OF THE ALERT PROCEDURES.
00108          *
00109          ATM-ALERT-ROUTINE.
00110               CALL  'TAKEPIC'.
00111          *
```

```
00112          *          NOTE - THIS IS OPTIONAL AND CAN BE REMOVED.  MANY
00113          *                 PROCEDURES ALREADY HAVE THE PICTURE TAKING
00114          *                 PROCESS IN PLACE.  NO ADDITIONAL CODING REQUIRED
00115          *
00116               CALL 'SECALRM'.
00117          *
00118          *          NOTE - THE SECURITY ALERT IS MOSTLY A PHYSICAL
00119          *                 TELEPHONE LINE TYPE CONNECTION.
00120          *
00121               GO TO PERFORM-REQUESTED-ACTION.
00122          *
00123          *          NOTE - BACK TO NORMAL TYPE PROCESSING SO AS NOT
00124          *                 TO ENDANGER THE CUSTOMER.
```

INTRNL NAME	LVL	SOURCE NAME	BASE	DISPL	INTRNL NAME	DEFINITION	USAGE	R	O	O	M
DNM=1-161	01	ID-CODE	BL=1	000	DNM=1-161	DS OCL6	GROUP				
DNM=1-181	02	ID-CODE-HOLD	BL=1	000	DNM=1-181	DS 5C	DISP				
DNM=1-203	02	SECOND-ID-REQ-IND	BL=1	005	DNM=1-203	DS 1C	DISP				
DNM=1-230	01	REQUEST-INDICATOR	BL=1	008	DNM=1-230	DS OCL4	GROUP				
DNM=1-260	02	REQUEST-INDICATOR-HOLD	BL=1	008	DNM=1-260	DS 4C	DISP				
DNM=1-292	01	SECOND-ID-REQ-SW	BL=1	010	DNM=1-292	DS 1C	DISP				

MEMORY MAP

TGT	000B8
SAVE AREA	000B8
SWITCH	00100
TALLY	00104
SORT SAVE	00108
ENTRY-SAVE	0010C
SORT CORE SIZE	00110
RET CODE	00114
SORT RET	00116
WORKING CELLS	00118
SORT FILE SIZE	00248
SORT MODE SIZE	0024C
PGT-VN TBL	00250
TGT-VN TBL	00254
RESERVED	00258
LENGTH OF VN TBL	0025C
LABEL RET	0025E
RESERVED	0025F
DBG R14SAVE	00260
COBOL INDICATOR	00264
A(INIT1)	00268
DEBUG TABLE PTR	0026C
SUBCOM PTR	00270
SORT-MESSAGE	00274
SYSOUT DDNAME	0027C
RESERVED	0027D
COBOL ID	0027E
COMPILED POINTER	00280
COUNT TABLE ADDRESS	00284
RESERVED	00288
DBG R11SAVE	00290
COUNT CHAIN ADDRESS	00294
PRBL1 CELL PTR	00298
RESERVED	0029C
TA LENGTH	002A1
RESERVED	002A4
PCS LIT PTR	002AC
DEBUGGING	002B0
CD FOR INITIAL INPUT	002B4
OVERFLOW CELLS	002B8
BL CELLS	002B8
DECBADR CELLS	002BC
FIB CELLS	002BC
TEMP STORAGE	002C0
TEMP STORAGE-2	002C0
TEMP STORAGE-3	002C0
TEMP STORAGE-4	002C0
BLL CELLS	002C0
VLC CELLS	002C8
SBL CELLS	002C8
INDEX CELLS	002C8
SUBADR CELLS	002C8

```
                ONCTL CELLS                 002C8
                PFMCTL CELLS                002C8
                PFMSAV CELLS                002C8
                VN CELLS                    002C8
                SAVE AREA =2                002C8
                SAVE AREA =3                002C8
                XSASW CELLS                 002C8
                XSA CELLS                   002C8
                PARAM CELLS                 002C8
                RPTSAV AREA                 002CC
                CHECKPT CTR                 002CC

 LITERAL POOL (HEX)

002F8 (LIT+0)     C1D6D2C1  E8C5D9D9  D6D9C1D3  C5D9E3D4  D6D9C5

                    PGT                     002D0

                DEBUG LINKAGE AREA          002D0
                OVERFLOW CELLS              002D0
                VIRTUAL CELLS               002D4
                PROCEDURE NAME CELLS        002F8
                GENERATED NAME CELLS        002F8
                DCB ADDRESS CELLS           002F8
                VNI CELLS                   002F8
                LITERALS                    002F8
                DISPLAY LITERALS            0030B
                PROCEDURE BLOCK CELLS       0030C

 REGISTER ASSIGNMENT

   REG 6      BL =1

WORKING-STORAGE STARTS AT LOCATION 000A0 FOR A LENGTH OF 00018.
```

PROCEDURE BLOCK ASSIGNMENT

PBL = REG 11

PBL =1 STARTS AT LOCATION 000310 STATEMENT 55

CONDENSED LISTING

56	CALL	000310	70	IF	00033E	71	GO	000348
73	IF	00034C	74	CALL	000356	76	IF	000372
77	GO	00037C	79	IF	000380	80	GO	000388
82	MOVE	00038C	83	GO	000390	86	CALL	000394
98	IF	0003BE	99	GO	0003C8	101	CALL	0003CC
103	STOP	0003E8	110	CALL	0003EE	116	CALL	00040A
121	GO	000426						

```
*STATISTICS*     SOURCE RECORDS =   124     DATA DIVISION STATEMENTS =     6     PROCEDURE DIVISION STATEMENTS =    20
*OPTIONS IN EFFECT*     SIZE = 786432  BUF = 121515  LINECNT = 57  SPACE1, FLAGW,   SEQ,   SOURCE
*OPTIONS IN EFFECT*       DMAP, NOPMAP,   CLIST,   SUPMAP, NOXREF,   SXREF,   LOAD, NODECK, APOST, NOTRUNC, NOFLOW
*OPTIONS IN EFFECT*     NOTERM, NONUM, NOBATCH, NONAME, COMPILE=01, NOSTATE, NORESIDENT, NODYNAM,   LIB, NOSYNTAX
*OPTIONS IN EFFECT*       OPTIMIZE, NOSYMDMP, NOTEST,   VERB,   ZWB, SYSD, NOENDJOB, NOMIGR, NOLVL
*OPTIONS IN EFFECT*     NOLST , NOFDECK,NOCDECK, LCOL2,  L120,   DUMP , NOADV , NOPRINT,
*OPTIONS IN EFFECT*     NOCOUNT, NOVBSUM, NOVBREF, LANGLVL(2)
```

CROSS-REFERENCE DICTIONARY

DATA NAMES	DEFN	REFERENCE
ID-CODE	000033	
ID-CODE-HOLD	000034	000056 000070 000073 000076
REQUEST-INDICATOR	000037	000086
REQUEST-INDICATOR-HOLD	000038	000098
SECOND-ID-REQ-IND	000035	
SECOND-ID-REQ-SW	000040	000079 000082